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FACSIMILE COVER SHEET

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DATE: May 13, 2009

TO: Examiner George Monikang

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Application No.: 10/550,230

OUR REF.: 3338.79WOUS

FROM: Daidre L. Burgess

PHONE #: 612-252-1558

Examiner Monikang:

Attached please find a proposed claim for your review and for discussion purposes only.
I look forward to our teleconference today at 2:00 EST. I will give you a call.

Sincerely,

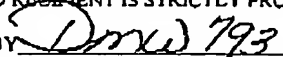


Daidre Burgess

Reg. No. 60,389

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Application No. 10/550,230

Proposed Claim – For Discussion Purposes Only – Not to be Entered

30. (Currently Amended) A method for processing an electric sound signal wherein a right sound signal and a left sound signal are diffused in a reflective environment by two speakers and are detected by an acoustic detector comprising a right microphone and a left microphone, the method comprising:

computing a first temporal filter ~~corresponding to a detection by~~
representing a first acoustic transformation applied to the right sound signal by the
reflective environment between the right speaker and the right microphone of the
right sound signal;

computing a second temporal filter ~~corresponding to a detection by~~
representing a second acoustic transformation applied to the right sound signal by
the reflective environment between the right speaker and the left microphone of
the right sound signal;

computing a third temporal filter ~~corresponding to a detection by~~
representing a third acoustic transformation applied to the left sound signal by the
reflective environment between the left speaker and the left microphone of the left
sound signal;

computing a fourth temporal filter ~~corresponding to a detection by~~
representing a fourth acoustic transformation applied to the left sound signal by
the reflective environment between the left speaker and the right microphone of
the left sound signal;

modifying each of the temporal filters by an operation including at least
one of:

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normalizing the temporal filters on a maximum of a direct field or
on a quadratic average,

temporal resetting of the temporal filters in relation to each other,
providing a time lag of samples from a temporal filter,

masking of at least some of the samples from the temporal filter,

and

altering an amplitude of at least some of the samples from a
temporal filter;

applying the modified temporal filters to a right original sound signal and
a left original sound signal to obtain processed electric sound signals by:

applying a first modified temporal filter to the right original
electric sound signal to obtain a first processed electric sound signal,

applying a second modified temporal filter to the right original
electric sound signal to obtain a second processed electric sound signal,

applying a third modified temporal filter to the left original sound
signal to obtain a third processed electric sound signal, and

applying a fourth modified temporal filter to the left original sound
signal to obtain a fourth processed electric sound signal,

adding the first and fourth processed electric sound signals and the right
original sound signal to obtain a right processed electric sound signal;

adding the second and third processed electric sound signals and the left
original sound signal to obtain a left processed electric sound signal; and

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diffusing the right processed electric sound signal and the left processed
sound signal.